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The author observes, that the structure of the blood-corpuscles can be accurately learned only by a careful investigation of their mode of origin, and by following them through all their changes in the capillary vessels, and especially in the capillary plexuses and dilatations, where all their stages of transition from the colourless to the red corpuscles may be seen. The filament which forms here and there in the corpuscles of coagulating blood he has shown to other persons, with Microscopes made by Ross and Powell. Dr. Barry denies that he meant certain general remarks in his paper, referring to more than twenty delineations of corpuscles from various animals, to apply exclusively to those of man.

3. A paper was also in part read, entitled, "Experiments on the Gas Voltaic Battery, with a view of ascertaining the rationale of its action, and on its application to Eudiometry." By William Robert Grove, Esq., M.A., F.R.S., &c.

The President informed the Meeting that the Council had voted the following Address of Condolence to Her Majesty the Queen, on the occasion of the demise of His Royal Highness the Duke of Sussex:—

"To the Queen's Most Excellent Majesty.

"The humble Address of the President, Council, and Fellows of the Royal Society of London for improving Natural Knowledge.

"MOST GRACIOUS SOVEREIGN,

"We, Your Majesty's most dutiful and loyal subjects, the President, Council, and Fellows of the Royal Society of London for improving Natural Knowledge, beg leave to approach Your Majesty with the expression of our heartfelt condolence on the loss which Your Majesty has sustained by the lamented death of His Royal Highness the Duke of Sussex. In the expression of our sorrow we are sure that all Your Majesty's subjects must unite with us, when they regard the public and private virtues of His Royal Highness. We are bound to feel additional grief as a Society over which His Royal Highness had presided, and where he had uniformly shown the greatest zeal for the cause of knowledge, and the most amiable condescension and kindness to every cultivator of Physical Science."

May 18, 1843.

The MARQUIS OF NORTHAMPTON, President, in the Chair.

James Tulloch, Esq., was balloted for, and duly elected into the Society.

1. The reading of a paper, entitled "Experiments on the Gas